

2014 Leading by Example Awards

Presented by the Commonwealth of Massachusetts

*The **Leading by Example Awards** recognize outstanding efforts among Commonwealth agencies, public higher education institutions, municipalities, and individuals that have established and implemented policies and programs resulting in significant and demonstrable energy and environmental benefits.*

STATE AGENCIES



With some 80 million square feet of buildings and numerous capital construction projects each year, the **Division of Capital Asset Management and Maintenance (DCAMM)** manages a broad portfolio of energy efficiency, water conservation, and renewable energy initiatives. DCAMM is overseeing the ambitious Accelerated Energy Program at existing state facilities, as well as designing and constructing new state buildings that meet Massachusetts LEED Plus requirements and even move toward Zero Net Energy.



The **Massachusetts Bay Transportation Authority (MBTA)** is significantly reducing the environmental impact of the nation's fifth-largest transit system. Between 2009 and 2012, the MBTA decreased the energy consumption per-passenger trip by 12.9% through a vast portfolio of energy efficiency projects, including lighting retrofits and train signal replacements, and efforts are underway to install controls on the third-rail heater. Additionally, the MBTA is becoming a leader in the use of alternative energy, installing solar power arrays and wind turbines.

PUBLIC HIGHER EDUCATION

Bristol Community College is currently building a Zero Net Energy lab building that will include a spectrum of innovative technologies and efficiency strategies. The northeast's largest solar canopy (3MW) is under construction, with a power purchase agreement for that will save \$1-2 million in electricity costs over twenty years. The campus collaborated with DCAMM to implement a \$4.9 million Energy and Water Conservation Improvement Project that reduces energy use by 24% and saves \$440,000 in energy costs annually.



The **University of Massachusetts Dartmouth** is a leader in on-campus energy generation, with a 600kW wind turbine, a 265kW solar PV system, and a 1.7MW combined heat and power system. With DCAMM, the campus implemented a \$40 million energy project with nineteen energy conservation measures. The university is the first in the state to adopt a voluntary Green Fee, which funded eight sustainability projects in its first year. The campus has also doubled its recycling rate in the past year.



MUNICIPALITIES



A Green Community since 2010, the **City of Newburyport** has demonstrated its long-term commitment to energy and greenhouse gas emission reductions with its sustainability-focused 2015 Master Plan and Clean Energy Roadmap. The city is promoting solar power with its twenty year 2.4MW net-metering credit purchase agreement, 500kW power purchase agreement on municipal buildings, and 426kW of solar installations on residences and businesses through the Solarize Mass program.



A leader in solar power, the **Town of Dartmouth** developed a Solar Bylaw in 2010 to promote solar development. In 2013, Dartmouth repurposed a closed landfill to operate a 1.4MW solar farm. This is only the second such project in the Commonwealth. There are a total of seven solar farms in Dartmouth, and the municipality is the leading solar power generating municipality in Massachusetts. In 2013, the Town retrofitted all of its 1,600 streetlights with LED bulbs, leading to a two-third decrease in street light energy use.

INDIVIDUALS

As the Town Administrator of Leverett, **Margie McGinnis** has championed alternative energy and energy efficiency projects in her community, saving thousands of dollars in annual energy costs. Margie collaborated with the Town's zoning committee and conducted outreach to residents to enable the successful solar installation at the Leverett Public Safety Complex. Margie led the effort to collect information for Leverett's Green Community designation application in 2011.



Ezra Small, Rachel Dutton, Victoria Rosen, and Craig Nicolson make up the Sustainable UMass Team at the University of Massachusetts Amherst. This spring, the team ran a student resident move-out collection drive, collecting five tons of furniture and clothing to be reused by incoming students. They also implemented a wide-ranging LED light distribution effort, developed a Green Office program for sixty campus departments, and started new composting efforts across four dining areas and twenty dining locations. Currently, they are leading efforts to obtain locally-sourced food for campus dining and coordinating renewable energy installations.



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Monday, October 20, 2014, 10:15 AM – 11:30 AM
Massachusetts State House, Great Hall, 2nd Floor

Poster Session: 10:15am-10:30am

Welcome: 10:30am

Eric Friedman, Director, Leading By Example Program, Department of Energy Resources

Opening Remarks and Progress Report Release

Maeve Valley Bartlett, Secretary, Executive Office of Energy and Environmental Affairs

Award Presentations

Maeve Valley Bartlett, Secretary, Executive Office of Energy and Environmental Affairs

- *Award Recipient: Bristol Community College*
- *Award Recipient: University of Massachusetts Dartmouth*

Glen Shor, Secretary, Executive Office for Administration and Finance

- *Award Recipient: Division of Capital Asset Management and Maintenance*
- *Award Recipient: Massachusetts Bay Transportation Authority*

Meg Lusardi, Acting Commissioner, Department of Energy Resources

- *Award Recipient: City of Newburyport*
- *Award Recipient: Town of Dartmouth*

Lisa Capone, Acting Director, Green Communities Division, Department of Energy Resources

- *Award Recipient: Margie McGinnis, Leverett*

Eric Friedman, Director, Leading By Example Program, Department of Energy Resources

- *Award Recipient: Sustainable UMass Team-Ezra Small, Rachel Dutton, Victoria Rosen, and Craig Nicolson*

Closing Remarks

Eric Friedman, Director, Leading By Example Program, Department of Energy Resources

Photos will be taken following the awards program.